Sagae et al.					
[54]	CATHETER FOR REPAIR OF BLOOD VESSEL				
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[58]	Field of Search				
[56]	References Cited				
U.S. PATENT DOCUMENTS					

 4,423,725
 1/1984
 Baran et al.
 604/101

 4,573,966
 3/1986
 Weikl et al.
 604/101

 4,636,195
 1/1987
 Wolinsky
 604/53

United States Patent [19]

[11]	Patent Number:	4,832,688
[45]	Date of Patents	May 23 1989

4,641,653 2/1987 Rockey ...... 609/96

	4,655,246	4/1987	Daniels et al 604/53		
FOREIGN PATENT DOCUMENTS					
	0654214	2/1986	Switzerland 604/101		
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	[57]		ABSTRACT		
			epair of an injured blood vessel, mprising a multiple-lumen type		

A catheter for the repair of an injured blood vessel, characterized by comprising a multiple-lumen type catheter tube having at least two tubular cavities, at least one dilating member disposed in the distal portion of said catheter tube and adapted to communicate with one of said tubular cavities, a lateral hole for the injection of a blood coagulation accelerant disposed on said catheter tube at the proximal side than said dilating member side and adapted to communicate with the other tubular cavity, and a hub having a plurality of flow conduit communicating severally with said tubular cavities of said catheter tube and adapted to communicate with the proximal portion of said catheter tube.

## 7 Claims, 4 Drawing Sheets

